

Chemistry QEP – Real World Problem Solving

The challenge that has been brought before us is to research the needs of chemistry students at Columbus State University and design potentially viable solutions which will aid these students to succeed in their academic endeavors. Projects will be judged for design viability by a panel of judges.

DISCOVER: Discuss what you thought a chemistry major would be able to do before taking this course. After taking the field trips, what did you learn about the application of chemistry in the real-world contexts? Having seen the diverse ways in which chemistry plays a role in local industries and facilities, what is your potential career goal you wish to pursue as a chemistry major at CSU?

A series of one page debriefs will become part of your final project. This activity will be further explained during assignments entitled Chemistry Debriefs. (50 points)

DESIGN: What do you need to do to pursue the potential career goal? What courses do you need to take? In addition to the knowledge of chemistry, what knowledge and skills will you need to achieve the career goal? What are the other areas of study do you need to become proficient in? Where can you find potential future internship opportunities to practice knowledge and skills that bring you closer to your career goal?

A career PPT will become part of your final project. This activity will be further explained during assignments entitled C & E New PPT. (20 points)

DELIVER: What would be the best way to communicate what you have discovered about chemistry applications in the real world and your proposed plans for pursuing a career goal?

Delivery of Your Presentation: You are going to present your solution to the world. Columbus State University has an event called Tower Day.

REFLECT: If you were to take this course again, what would you do differently to improve your learning?

“Tower Day is the annual showcase of undergraduate research and creative endeavors that is the cornerstone of the Academic Week of Excellence. Students from all disciplines have been invited to present their scholarly activities to our community to share their discoveries and inspire others to study in and learn more about their fields.” - 2023 Tower Day PDF

Criteria:

Problem-Solving rubric will be used to evaluate your reflection.